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MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2019/2020

DCS5288 – INTERNET AND WEB PUBLISHING
(DIT/DBIS)

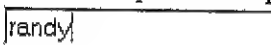


14 OCTOBER 2019
2:30 p.m. – 4:30 p.m.
(2 Hours)

INSTRUCTIONS TO STUDENT:

1. This question paper consists of 7 pages with 2 sections.
2. **SECTION A:** Answer **ALL** Multiple Choice Questions on the OMR sheet given.
3. **SECTION B:** Answer **ALL** Structured Questions in the Answer Booklet provided.

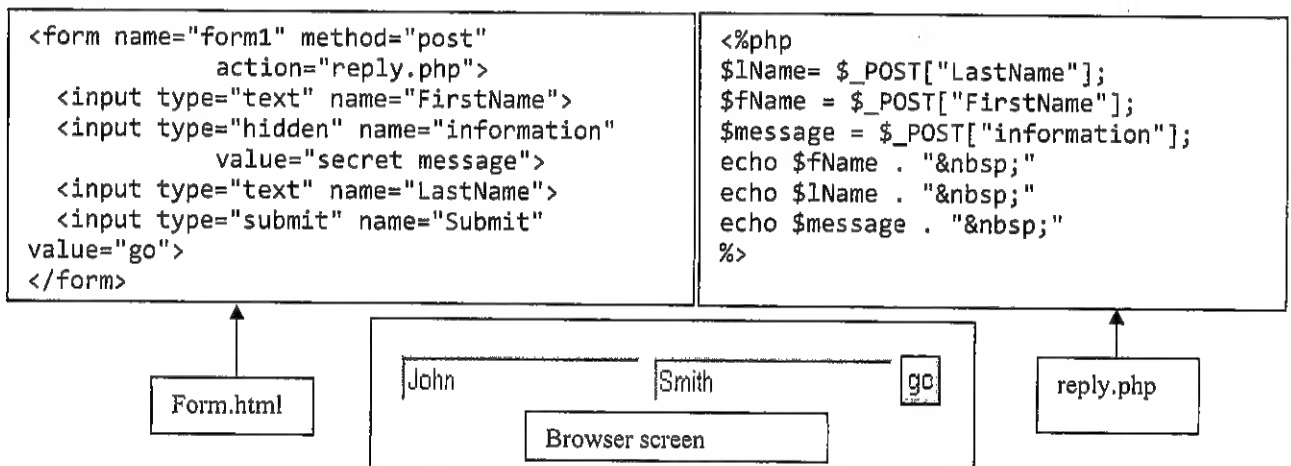
SECTION A : MULTIPLE CHOICE QUESTIONS (10 MARKS)

Answer ALL questions in this section. Shade your answers on the OMR sheet provided.

1. The _____ is a computer agent that is normally active 24 hours a day, 7 days a week, listening for queries from any client who make a request.
 - A. client
 - B. web
 - C. server
 - D. peer to peer
2. Which of the following HTML — form element pairs is improperly matched:
 - A. `<input type=text>` 
 - B. `<input type=radio>` 
 - C. `< select>` 
 - D. None of the above is correct.
3. Which of the following is true with respect to the `<form>` tag?
 - A. While you can have several `<form> ... </form>` in a page, they cannot be nested
 - B. The *action* attribute specifies the URL of the server-side script that will process the form.
 - C. The *method=* attribute specifies how the information in the form will be transmitted to the server
 - D. All of the above statements are true.
4. The _____ tag is used to associate a web page with an external style sheet.
 - A. `<a>`
 - B. `<head>`
 - C. `<style>`
 - D. `<link>`
5. Which of the following configures a class called sidebar forcing the rest of the elements to wrap around on the left side?
 - A. `sidebar: { float: right; }`
 - B. `sidebar: { right: float; }`
 - C. `.sidebar: { float: right; }`
 - D. `#sidebar: { float: right; }`
6. Javascript is _____.
 - A. a client-side scripting language that is interpreted/executed by the browser.
 - B. a server-side scripting language that is interpreted/executed by the server.
 - C. a language for creating self-contained, Windows-only programs.
 - D. a client-side scripting language that is interpreted/executed by the server.

Continued...

7. Which of the following set the variable *num* to the value 9?
- A. `num = pow (2, 3);`
 - B. `num = Math.pow (3, 2);`
 - C. `num = Math.sqrt(18);`
 - D. `num = sqrt(81);`
8. Which of the following is **FALSE** about PHP?
- A. PHP can encrypt data
 - B. PHP can send and receive cookies.
 - C. PHP does not support constants.
 - D. HP generates dynamic web page content.
9. Based on the diagram below, after the user clicks 'go' on the browser screen, what will be displayed?



- A. John Smith secret
 - B. John Smith
 - C. John secret message
 - D. John Smith secret message.
10. In PHP, an element with no defined value is expressed with the keyword called _____.
- A. void
 - B. null
 - C. empty
 - D. undefined

Continued...

SECTION B : STRUCTURED QUESTIONS (40 MARKS)

Answer ALL questions in this section. Write your answers on the answer booklet provided.

QUESTION 1 (10 MARKS)

- a. Write the HTML codes to generate the following table. The table width is 400px.
[6 marks]

Student's Lab Score

Student Name		Labs			Average
First	Last	Lab 1	Lab 2	Lab 3	
Ali	Karnal	100	50	50	66.7
Susan	Jack	100	100	100	100

- b. Write the HTML codes to display the output based on the given descriptions.

- i. Profile Picture: No file chosen

Create a form as shown. User can upload .png and .jpg file only.

[2 marks]

- ii. 1. January
2. February
 - Chinese New Year
 - Awal Ramadhan

Create a list as shown.

[2 marks]

Continued...

QUESTION 2 (10 MARKS)

a. Write the External CSS codes for the following button.

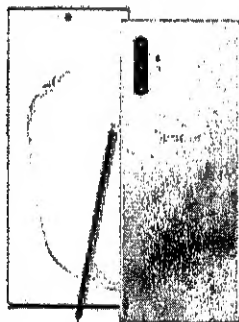
[5 marks]



- The font is a downloaded font file *starlight.otf*. Use this font as a new font with the name *myFont*.
- The button:
 - The width is 130px and the height is 40px.
 - The borders are 2px thick single lines and the colour is black.
 - There is a background image called *feedback.png* and it is located 5px from the left and the right. The text is indented by 35px.
 - The corners are rounded by 10px.
- The button when mouseover:
 - The background colour changes to #eead0e with a transparency of 50%. The text colour is white.
- The button when it is clicked:
 - The background colour changes to red and the transparency is 0%.

b. Write only the Internal CSS codes for the given design and guidelines.

[5 marks]



Unbeatable Specs

- ✓ 8GB of RAM and 256GB storage
- ✓ 6.3-inch Display
- ✓ Triple Rear Camera
- ✓ Reverse wireless charging

```
<div id="wrapper">
<div id="image-box">
  
</div>
  <div id="features-box">
    <p>Unbeatable Specs</p>
    <ul>
      <li>8GB of RAM and 256GB storage</li>
      <li>6.3-inch Display</li>
      <li>Triple Rear Camera</li>
      <li>Reverse wireless charging</li>
    </ul>
  </div>
</div>
```

Continued...

Guidelines:

- The wrapper:
 - The width is 600px with a #ffffdd background colour. The space between the border and the content is 5px.
- The image-box:
 - The width is 290px. The image size is 300 x 300 pixels.
 - The features box:
 - The width is 290px. The paragraph in this section is bold and underlined. The font size is 15pt.
 - The list in this section is red and uses the bullet image *check.png*. The font size is 12pt.

Continued...

QUESTION 3 (10 MARKS)

- a. Given the following HTML codes, write only the JavaScript codes to get the display of the following output. [10 marks]

```
<form name="frm1">
<p>Flowers you wish to order:
<select name="flowertype">
<option value="Rose">Bouquet of 12 long-stemmed Roses (RM120)</option>
<option value="MixedRose">Mixed Flowers bouquet including
roses (RM100)</option>
<option value="Mixed">Mixed Flowers bouquet (RM90)</option>
</select>
<p>Choose a Payment Method :
<input type="radio" name="payment_method" value="Cheque" > Cheque
<input type="radio" name="payment_method" value="Cash" checked> Cash
</p>
<p> Delivery or Pickup? : <select name="DelStatus">
<option value="Delivery" selected>Delivery</option>
<option value="Pickup">Pickup</option>
</select>
</p><p><input type="button" name="btn" value="Submit Order"
onclick="Order();" />
</p>
</form>
```

- When the *Submit Order* button is clicked, the *order()* function will be called.
- In function *order()*:
 - Declare all the necessary variables.
 - All the information will be retrieved from form *frm1*.
 - Use switch case to determine the price for each type of flower.
 - If customer choose delivery, RM5 will be charged for the delivery service.
 - Calculate the total price.
 - Display the order details using alert box as shown at the following sample output display.

Continued...

QUESTION 4 (10 MARKS)

This PHP and MySQL program lists the subjects from the database for subject registration process. Students could view the subject list and register for the subject.

Table 1 subject

subject_id (PK)	subject_code	subject_name
1	DCS5288	Internet and Web Publishing
2	DCT5038	Data Communication and Networking
3	DIM5058	Mathematical Techniques 1

Table 2 registration

reg_id (PK)	register_date	register_student_id	register_subject_id
1	11 April 2019	100104	1
2	11 April 2019	100104	2
3	20 April 2019	100105	1

- a. Given the following details, write the connection to the database. [1 mark]

```
$host = "localhost";
$user = "root";
$password = "";
$database = "mmudb";
```

Write a complete PHP and necessary HTML codes for *register.php* which display the subject list from the database for the registration purposes. Sample outputs is shown as below. [5 marks]

DCS5288---Internet and Web Publishing

DCT5038---Data Communication and Networking

DIM5058---Mathematical Techniques 1

REGISTER SUBJECT

- b. Once the student click the *register subject* button, the data will be inserted in the database. Write the PHP and SQL codes to insert the data into the *registration* table. [4 marks]

End of Page.